NuTone®

Architectural & Engineering Specifications
March 2004

Deluxe Exhaust Fan

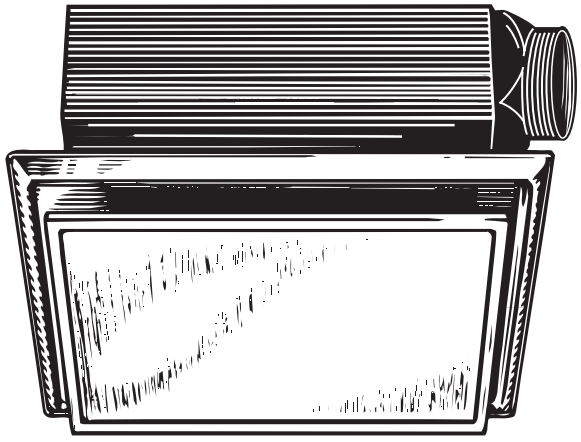
MODEL: 8833

DESCRIPTION

- Designed for bathrooms up to 75 sq. ft. (6.7 m^2), other rooms up to 100 sq. ft. (9.3 m^2)
- Two-piece grille conceals intake ports. The center panel is brushed aluminum and can be painted or papered to match the wall or ceiling surface.
- Centrifugal blower wheel channels air to the outside through 3" (7.6 cm) round duct.
- Mounting brackets facilitate easy installation between 16" (40.6 cm) or 24" (61 cm) o.c. joists or studs.
- Built-in precision-fit non-metallic damper. Plug-in motor 'floats' on sound-absorbent cushions.
- Refer to NuTone's catalog for a complete listing of accessories to effectively adapt this Exhaust Fan to your construction requirements.

DESIGN FEATURES

Air Delivery:	80 CFM (38 LS).
Sound Level:	3.0 Sones.
Dimensions:	**Housing:** 8½" x 9" x 4" deep (21.6 cm x 22.9 cm x 10.2 cm).
Material & Finish:	**Housing:** Galvanized steel. **Grille:** Aluminum, silver anodized 8 9/16" x 10 7/16" (21.7 cm x 26.5 cm).
Motor:	Plug-in, thermally protected.
Blower Wheel:	Polymeric.
Duct Size:	3" diameter (7.6 cm).
Electrical Rating:	120v, 60 Hz, .75 A.



8833 Shown

INSTALLATION

- Complete installation instructions are included with each unit.

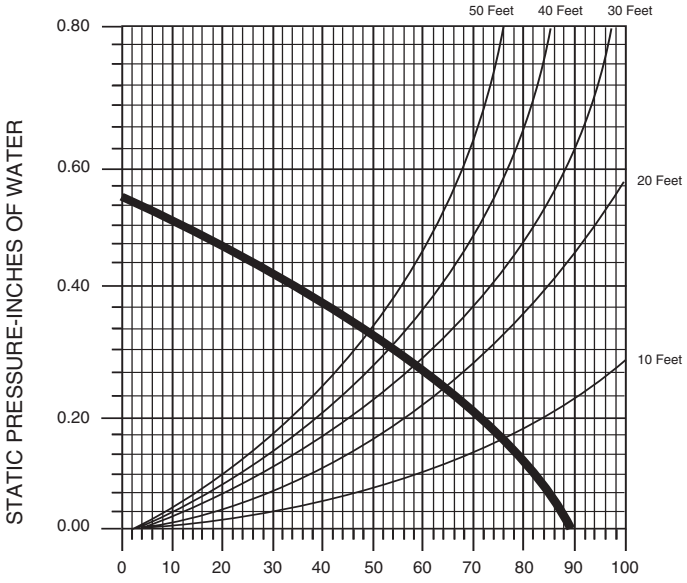
ARCHITECT'S SPECIFICATIONS

Deluxe Exhaust Fan shall be NuTone Model Number 8833 as manufactured by NuTone according to listed specifications. Housing shall be 8½" x 9" x 4" (21.6 cm x 22.9 cm x 10.2 cm) deep. Unit shall ventilate at at 80 CFM at a sound level of 3.0 Sones. Unit shall connect to 3" (7.6 cm) diameter duct.

The air delivery of a ventilating system may be determined by:

1. Determine the equivalent duct length for each 90 degree elbow by adding one foot of duct length for each inch of duct diameter, i.e., a 4 inch diameter duct elbow equals 4 feet equivalent duct length and an 8 inch diameter duct elbow equals 8 feet equivalent duct length.
2. Add the total straight length of duct and the equivalent length for each elbow to obtain the total equivalent duct length.
3. Locate the intersection of the fan performance curve and the total equivalent duct length curve and draw a vertical line down to the CFM scale and read the system air performance.

AIR PERFORMANCE CURVE
3 In. Duct

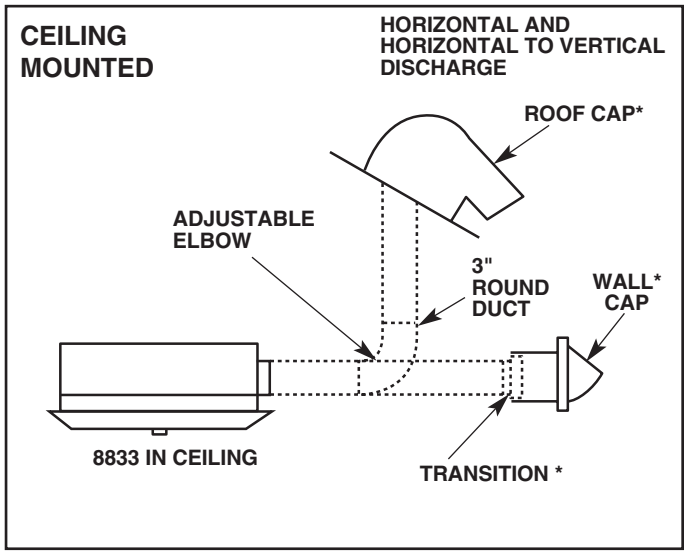


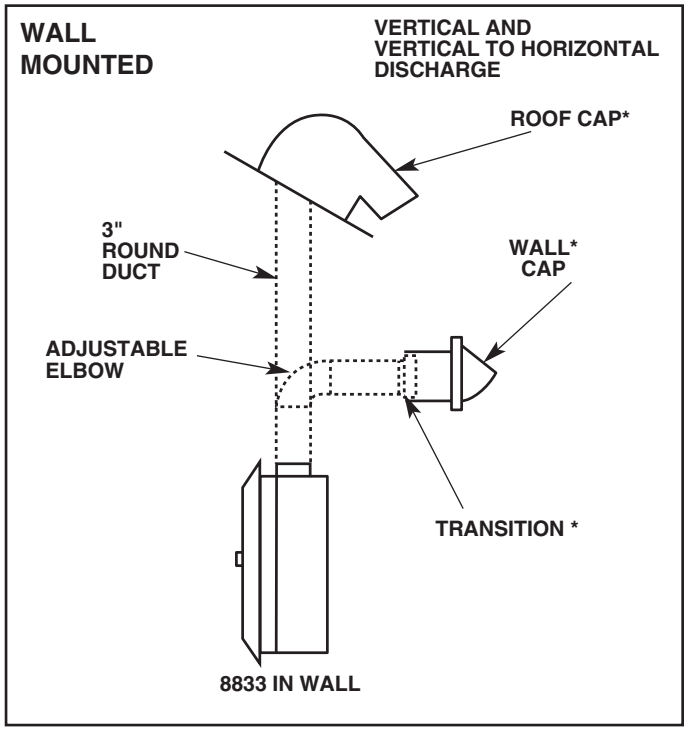
0.05	0.1	0.125	0.15	0.20	0.25	0.30	0.35	0.4	0.45	0.53	Static Press. (Inches of water)
85	83	81	79	68	64	56	48	39	27	0	CFM
40.1	39.1	38.2	37.3	32	30.2	26.4	22.6	18.4	12.7	0	LS

CERTIFIED TEST DATA

HVI-2100 CERTIFIED RATINGS comply with new testing technologies and procedures prescribed by the Home Ventilating Institute, for off-the-shelf products, as they are available to consumers. Product performance is rated at 0.1 in. static pressure, based on tests conducted in AMCA's state-of-the-art test laboratory. Sones are a measure of humanly-perceived loudness, based on laboratory measurements. This NuTone model is listed by Underwriters' Laboratories Inc. and Certified by the Canadian Standards Association (CSA.)

Typical installations:





*** Optional accessory items available. Please refer to the NuTone catalog or website (www.NuTone.com) for complete listing.**

Product specifications subject to change without notice.

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